

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

		DATA MATRIX			
Date 9/5/2013			EPA Reg No./File Symbol 71096-6		Page / of 14
Applicant's/Registrant's Name & Ad OR-CAL, Inc., 29454 Meadowview			Product Rex Lime Sulfur Solution		
Ingredient Calcium Polysulfide					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product Identity and Composition	47412201	OR-CAL, Inc.	OWN	
830.1600	Description of Materials used to produce prdt.	47412201	OR-CAL, Inc.	OWN	
830.1620	Description of production process	49188401	OR-CAL Inc.	OWN	
830.1650	Description of formulation process	49188401	OR-CAL, Inc.	OWN	
330.1670	Discussion of formation of impurities	47412201	OR-CAL, Inc.	OWN	
830.1700	Preliminary Analysis	Not applicable	OR-CAL Inc	OWN	
830.1750	Certified Limits	47412201	OR-CAL, Inc.	OWN	
330.1800	Enforcement Analytical Method	43894402	OR-CAL, Inc.	OWN	Task Force
330.6302	Color	47412202	OR-CAL, Inc.	OWN	
330.6303	Physical State	47412202	OR-CAL, Inc.	OWN	
330.6304	Odor	47412202	OR-CAL, Inc.	OWN	
830.6313	Stability to Sunlight, etc.	Not applicable	-	_	
330.6314	Oxidizing or reduction action	Not applicable			
330.6315	Flammability	Not applicable		-	
330.6316	Explodability	Not applicable		-	
Signature	Leve Bome		Name and Title Irene Boone, Consultant for OR-CAL	. Inc.	Date 09/05/2013



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Applicant's/Registrant's Name & Address OR-CAL, Inc., 29454 Meadowview Rd., Junction City, OR 97448			Product Rex Lime Sulfur Solution		
Ingredient Calcium Polysulfide					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			OR-CAL, Inc.	OWN	
			OR-CAL, Inc.	OWN	
			OR-CAL Inc.	OWN	
			OR-CAL, Inc.	OWN	
			OR-CAL, Inc.	OWN	
			OR-CAL Inc	OWN	
			OR-CAL, Inc.	OWN	
			OR-CAL, Inc.	OWN	Task Force
			OR-CAL, Inc.	OWN	
			OR-CAL, Inc.	OWN	
			OR-CAL, Inc.	OWN	
			-	-	
Signature	ne Brone		Name and Title Irene Boone, Consultant for OR-CA	AL Inc.	Date 09/05/2013



UNITED STATES ENVRONMENTAL PROTECTION AGENCY 1200 Pennsylvania Avenue, N W . WASHINGTON, D.C. 20460

Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164

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Applicant's/Registrant's Name & Ad	ddress OR-CAL, Inc. 29454 Meadowview Rd., Junction City, OR 97	7448	Product Rex Lime Sulfur Solution		
Ingredient Calcium Polysulfid	le				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6317	Storage stability of product	47948101	OR-CAL, Inc	OWN	
830.6319	Miscibility	Not applicable		_	
830.6320	Corrosion Characteristics	47948101	OR-CAL, Inc.	OWN	
830.6321	Dielectric breakdown voltage	Not applicable	- , M		
330.7000	pH	47412202	OR-CAL, Inc	OWN	
830.7050	UV/Visible absorption	Not applicable		_	
830.7100	Viscosity	47412202	OR-CAL, Inc.	OWN	
330.7200	Melting point	Not applicable			
830.7220	Boiling point	Not applicable		_	
830.7300	Density	47412202	OR-CAL, Inc	OWN	
830.7550	Partition coefficient - shake flask	Not applicable		_	
830.7570	Partition coefficient - estimation by LC	Not applicable			
830.7840	Water solubility	Not applicable			
830.7860	Water solubility-generator column method	Not applicable			
830.7950	Vapor pressure	Not applicable	***	_	
Signature	Borne		Name and Title Irene Boone, Consu	tant for OR-CAL	Date 09/05/2013



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Form Approved OMB Nos. 2070-0060; 2070-0057; 2070-0107; 2070-0122; 2070-0164

Paperw ork Reduction Act.Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for registration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, Collection Strategies Division (2822T), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington, DC 20460. Do not send the form to this address.

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Applicant's/Registrant's Name & Address OR-CAL, Inc. 29454 Meadowview Rd., Junction City, OR 97448	Product Rex Lime Sulfur Solution		
ingredient Calcium Polysulfide			
	Submitter	Status	Note
	OR-CAL, Inc	OWN	
	OR-CAL, Inc	OWN	
	-	_	
	OR-CAL, Inc.	OWN	
	OR-CAL, Inc.	OWN	
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	-11/2/2014		
	OR-CAL, Inc.	OWN	
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Leve Borno	Name and Title Irene Boone, Co	onsultant, OR-CAL	Date 09/05/2013

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Applicant's/Registrant's Name & Add OR-CAL, Inc., 29454 Meadowview			Product Rex Lime Sulfur Solution			
Ingredient Calcium Polysulfide						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
870.1100	Acute Oral Toxicity	42113201	Calcium Polysulfide Task Force*	OWN	TF member *	
870.1200	Acute Dermal Toxicity	94119002	as above	OWN	TF member	
870.1300	Acute Inhalation Toxicity	42113202	as above	OWN	TF member	
870.2400	Acute Eye Irritation	Waived		Per RED		
870.2500	Acute Dermal Irritation	9411902	as above	OWN	TF member	
870.2600	Skin sensitization	42113201	as above	OWN	TF member	
			Calcium Polysulfide Task Force members are			
			Best Sulfur Prdts., MicroFlo, SureCo., Platte			
GENERIC DATA Requirements			Chemical Co., Western Farm Service, OR-CAL			
870.6100	Acute Neurotoxicity	not applicable	-	-		
870.3100	Subchronic Oral Toxicity	05012348	Public literature	OLD		
870.3200	Subchronic 21 Day Dermal	not applicable		-		
870.3250	Subchronic 90 Day Dermal	not applicable	-			
870.3465	Subchronic Inhalation	not applicable		-		
870.3700	Tetratogenicity	not applicable		-		
Signature Sum E	Borne		Name and Title Irene Boone, Consultant for OR-CAL Inc.		Date 09/05/2013	

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*TF is Task
Force.



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ngredient Calcium Polysulfide					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			Calcium Polysulfide Task Force*	OWN	
			as above	OWN	
			as above	OWN	
			-	Per RED	
			as above	OWN	
			as above	OWN	
			Calcium Polysulfide Task Force members are		
			Best Sulfur Prdts., MicroFlo, SureCo., Platte		
			Chemical Co., Western Farm Service, OR-CAL		
				-	
			Public literature	OLD	
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ignature	en Boone		Name and Title Irene Boone, Consultant for OR-CAL Inc.		Date 09/05/2013



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Applicant's/Registrant's Name & Addres OR-CAL, Inc., 29454 Meadowview Rd.			Product Rex Lime Sulfur Solution			
Ingredient Calcium Polysulfide						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
870.3800	Reproduction	not applicable		-		
870.4100	Chronic Feeding	not applicable		-		
870.4200	Oncogenicity	05011353	public literature	old		
870.7485	Metabolism	not applicable		-		
84.4	Mutagenicity	05011624	public literature	old		
ECOLOGICAL EFFECTS-850 Series				1000		
850.1010	Acute Toxicity to Invertebrates	GS0031-0002	EPA Research & Development	old		
850.1025,. 1035, .1045, .1055	Estuarine/Marine Toxicity	GS0031-0002	EPA Research & Development	old .		
850.1075	Fish Acute Toxicity LC50	GS0031-0004 &	EPA.Chemical & Biological Investigations Br.	old		
		GS0031-0005	EPA Chemical & Biological Investigations Br.	old		
850.1300,.1350, .1400	Fish Early Life Stage	not applicable		-		
72-4 (b)	Aquatic Invertebrate Life Cycle	not applicable	-	-		
850.1500	Fish Life Cycle	not applicable		-		
850.1950	Simulated/Actual Field Testing	not applicable	-	-		
850.2100	Avian Oral LD50	waived	-			
Signature Yune	Borne		Name and Title Irene Boone, Consultant for OR-CAL Inc.		Date 09/05/2013	



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	licant's/Registrant's Name & Address Product				
OR-CAL, Inc., 29454 Meadowview	Rd., Junction City, OR 97448		Rex Lime Sulfur Solution		
Ingredient Calcium Polysulfide					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
				-	
				-	
			public literature	old	
			- 1	-	
			public literature	old	
			EPA Research & Development	old	
			EPA Research & Development	old	
			EPA.Chemical & Biological Investigations Br.	old	
			EPA Chemical & Biological Investigations Br.	old	
				-	
				-	
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				-	
				-	
Signature /			Name and Title		Date
Hen	e Borne		Irene Boone, Consultant for OR-CAL Inc.		09/05/2013



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Ingredient Calcium Polysulfide					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2200	Avian Dietary LC50	GS0031-0003	EPA Office of Reseach & Development	old	
850.2300	Avian Reproduction	Waived	- 1000	-	
850.2400	Wild Mammal Toxicity	Waived			
850.2500	Simulated/Actual Field Testing	Waived		-	
ENVIRONMENTAL FATE					
161-1	Hydrolysis	Waived	-	-	
161-2	Photodegradation in Water	Waived		-	
161-3	Photodegradation in Soil	Waived		-	
161-4	Photodegradation in Air	Waived	-	-	
162-1	Aerobic Soil Metabolism	Waived		-	
162-2	Anaerobic Soil Metabolism	Waived	一位是 经正式 数 等 请告	-	
162-3	Anaerobic Aquatic Metabolism	Not required		-	
162-4	Aerobic Aquatic Metabolism	Not required		-	
NO guideline #	Effects of microbes on pesticides	Not applicable		-	
NO guideline #	Effects of pesticides on microbes	05018847	Public literature	old	
Signature	ne Borne		Name and Title Irene Boone, Consultant for OR-CAL Inc.		Date 09/05/2013



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Applicant's/Registrant's Name & Ac OR-CAL, Inc., 29454 Meadowview						
Ingredient Calcium Polysulfide						
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note	
			EPA Office of Reseach & Development	old		
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		新工作的工作。	Public literature	old		
Signature	u Borne		Name and Title Irene Boone, Consultant for OR-CAL Inc.		Date 09/05/2013	



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Ingredient Calcium Polysulfide					en e
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
No guideline #	Activated sludge metabolism	Not applicable	-	-	
163-1	Leaching	05018847	Public literature	old	
163-2	Laboratory volatility	Waived		-	M. Carlot
163-3	Field volatility	Waived	-		
164-1	Terrestrial field dissipation	Waived	-		
164-2	Field dissipation & Aquatic impact	Waived			
164-3	Forestry dissipation	Waived	-		
164-4	Dissipation-Combination & Tank Mixes	Waived	-		
164-5	Long term dissipation	Waived			
165-1	Confined rotational crops	Waived			
165-2	Field rotational crops	Waived		- 1	
165-3	Accumulation in irrigated crops	Waived	-		
165-4	Bioaccumulation in fish	Waived		-	
165-5	Accumulation-Non target	Waived	-		
860.1300	Metabolism in Plants	Waived			
Signature	ne Boone		Name and Title Irene Boone, Consultant for OR-CAL	Inc.	Date 09/05/2013



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OR-CAL, Inc., 29454 Meadowview	Rd., Junction City, OR 97448		Rex Lime Sulfur Solution		
Ingredient Calcium Polysulfide					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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Signature			Name and Title Irene Boone, Consultant for OR-CAL Inc.		Date 09/05/2013



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			Product Rex Lime Sulfur Solution		
Ingredient Calcium Polysulfide					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1300	Metabolism in Livestock	Waived	- 2 10 10 10 10 10 10		
860.1340	Analytical Methods-Plant	Waived			
860.1340	Analytical Methods-Livestock	Waived		-	
860.1380	Storage Stability	Waived		1 12 -	
860.1489	Meat, Milk	Waived	-		
860.1500	Crop field trials	Waived		-	
•					
•					
Signature June Borne			Name and Title Irene Boone, Consultant for OR-CAL Inc		Date 09/05/2013



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ngredient Calcium Polysulfide				PPE A	
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
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Signature	ine Boone		(B) (2) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B		Date 09/05/2013